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Abstract

The present invention relates to an adhesive system for forming reversible adhesive bonds, comprising at least one polymeric adhesive component based on polyurethanes and/or polyureas and/or epoxy resins and at least one additional component. The invention provides for the at least one additional component to comprise at least one functional group which can be activated by introduction of energy, in such a way that a chemical reaction with the adhesive component takes place, involving at least partial breakdown of the adhesive component.

The present invention additionally relates to a process for the reversible bonding of articles and controlled parting of the adhesive bond between these articles, using an adhesive system of the invention.

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